

ABSTRACT

An apparatus has a one-dimensional analysis column for separating a sample into a plurality of components, a preparative portion for fractionating the separated components, component by component
5 and for keeping a fractionated component, a plurality of trap columns for trapping a component supplied from the preparative portion, a two-dimensional analysis column for further separating a component trapped in the trap columns, into a plurality of components, and a path switching mechanism for effecting switching between a state in which the
10 preparative portion is connected to a first trap column out of the plurality of trap columns and in which the two-dimensional analysis column is connected to a second trap column out of the plurality of trap columns, and a state in which the preparative portion is connected to the second trap column out of the plurality of trap columns and in which the
15 two-dimensional analysis column is connected to the first trap column out of the plurality of trap columns.